

M 7.0, Acapulco, Mexico

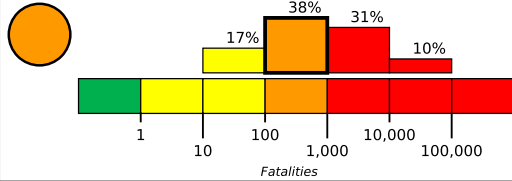
Origin Time: 2021-09-08 01:47:47 UTC (Tue 20:47:47 local)

Location: 16.9816° N 99.7726° W Depth: 20.0 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

Created: 1 day, 0 hours after earthquake

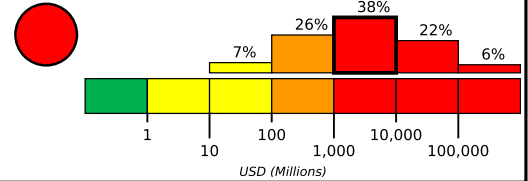
Estimated Fatalities



Red alert for economic losses. Extensive damage is probable and the disaster is likely widespread. Estimated economic losses are less than 1% of GDP of Mexico. Past events with this alert level have required a national or international level response.

Orange alert for shaking-related fatalities. Significant casualties are likely.

Estimated Economic Losses

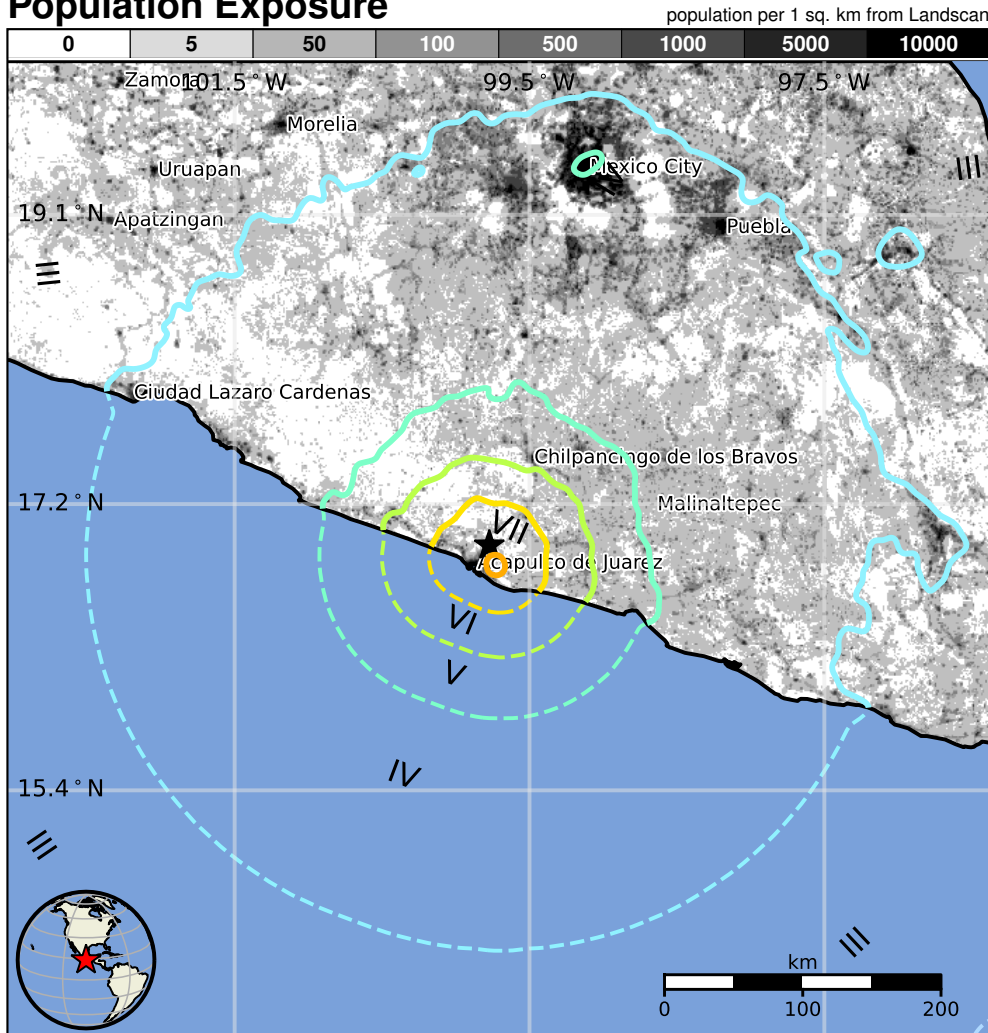


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	11,163k*	35,288k	5,926k	422k	799k	213k	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1999-12-29	221	5.9	V(29k)	0
1973-08-28	363	7.2	VII(847k)	600
1985-09-19	320	8.0	VII(309k)	10k

Recent earthquakes in this area have caused secondary hazards such as tsunamis and landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
VIII	El Metlapil	1k
VIII	10 de Abril	1k
VIII	Tuncingo	3k
VIII	Colonia Nueva Revolucion	1k
VIII	Las Plazuelas	1k
VIII	Nueva Frontera	1k
V	Mexico City	12,294k
IV	Puebla	1,590k
IV	Toluca	506k
III	Morelia	593k
III	Xalapa de Enriquez	425k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000f93v#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000f93v